

Scott M. Matheson
Governor



James O. Mason, M.D., Dr.P.H.
Executive Director
801-533-6111

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STATE OF UTAH
DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

150 West North Temple, P.O. Box 2500, Salt Lake City, Utah 84110

(801) 533-6146

September 14, 1979

James D. Cise, Director
Room 426 801-533-6121



Bob Ward
Nuclear Assurance Corp.
715 Horizon Drive
Grand Junction, Colorado 81501

RE: Uranium Resources Treatment

Dear Mr. Ward:

We have reviewed the plans and information for the Uranium Resources and Development Company barium chloride treatment for the reopening of the Avalanche 13 uranium mine in San Juan County. This system is for the addition of .05 mg/l barium chloride to 230 gpm of mine drainage in two 300,000 gallon "hypalon-lined" settling ponds.

As a result of our review, the plans for the Uranium Resources Avalanche 13 barium chloride system and ponds are approved and a construction permit as constituted by this letter is hereby issued subject to the following conditions:

1. The pipe allowing a possible bypass of the second pond must be eliminated.
2. Appropriate skimming devices must be provided.
3. Discharge rates must be controlled such that the effluent does not cause the water in Cottonwood Creek to exceed .1 mg/l arsenic or 5 pci/l radium 226-228.
4. A report must be submitted as soon as possible but no later than September 1, 1980 indicating the effluent gross alpha and beta radio nuclides and environmental impact. In addition a report indicating daily operating flow and barium chloride addition must be submitted monthly.

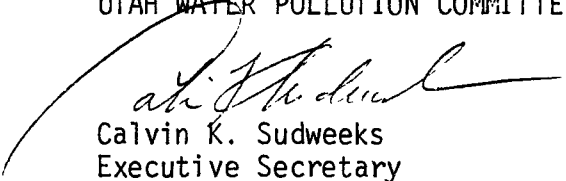
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The issuance of this construction permit is not an approval of resulting effluent quality. Should the effluent not meet state or federal discharge and water quality requirements you must provide whatever additional treatment necessary.

Sincerely,

UTAH WATER POLLUTION COMMITTEE



Calvin K. Sudweeks
Executive Secretary

cc: EPA/Salt Lake City
EPA/Denver
Southeast 208
B. Christensen (USFS)
Division of Oil, Gas and Mining

SM:lp